DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP 130 Water Street Boston, Massachusetts 02109

Page 1 of 4

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed at 201) below or an original, first and joint inventor (if plural names are listed at 201-208 below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

| 1 | CHARGE | AMOUNT | DETECTION | CIRCUIT | AND | TWO-DIMENSIONAL | IMAGE | SENSOR | USING | SAME |
|--|--|--|--|---|---------------------------|--|--------------------------------|------------------------------------|-----------------------------------|--|
| | | | | | | | | | | ····· |
| which is | described a | nd claime | d in: | | | | | | | |
| St. Sun. Sun! Sun! | XX | the : | specification a | nached here | co. | | | | | |
| | | the : | specification i | ı U.S. App | licario | on Serial Number | | , file | d on | · |
| | | the s | | | | nal application Number; and was amended on | | | | |
| as amend examinal priority below at | ded by any a tion of this a benefits und ad have also | mendmen application er Title 3 identified | it referred to a n in accordanc 5. United Stat | bove. I ac e with Title es Code, §l reign applie | know! : 37, : 19 of | ne contents of the above ledge the dury to disclor Code of Federal Regula f any foreign application for patent or inventor | se informations, § n(s) for | narion wh 1.56(a). parent or | tich is m I hereby inventor | aterial to the claim foreign 's certificate listed |

| Prior Foreign/PC | Prior Foreign/PCT Applications and Any Priority Claims Under 35 U.S.C. 119: | | | | |
|------------------|---|---------|---|--|--|
| Application No. | Filing Date | Country | Priority Claimed Under 35 U.S.C. 119? | | |
| 2000–95508 | March 30, 2000 | Japan | ⊠YES □NO | | |
| | | | □YES □NO | | |
| | | | □YES □NO | | |
| | | | □YES □NO | | |
| | | | □YES □NO | | |
| | | | □YES □NO | | |
| | | | □YES □NO | | |

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below, and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose material information as defined in 37 CFR §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

| Prior U.S. Applic | ations or PCT Interna | tional Applications Designating th | e U.S-Benefit | : Under 35 U | J.S.C. §120 |
|-------------------|-----------------------|------------------------------------|---------------|--------------|-------------|
| | U.S. Applicati | Status (Check One) | | | |
| Application | n Serial No. | U.S. Filing Date | Patented | Abandoned | |
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| Marie Ca | | | | | |
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| | T Applications Design | ating the U.S. | | | |
| Application No. | Filing Date | U.S. Serial No. Assigned | | | |
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| 55 2000 PL | | | | | |

CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S) (35 U.S.C. § 119(e))

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

| Applicant | Provisional Application Number | Filing Date |
|-----------|--------------------------------|-------------|
| | | |
| | | |

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) with full powers of association, substitution and revocation to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

| Sewall P. Bronstein David G. Conlin George W. Neuner Ernest V. Linek | (Reg. No. 16,919) (Reg. No. 27,026) (Reg. No. 26,964) (Reg. No. 29,822) | Linda M. Buckley Ronald I. Eisenstein Henry D. Pahl, Jr. Peter J. Manus | (Reg. No. 31,003) (Reg. No. 30,628) (Reg. No. 20,438) (Reg. No. 26,766) | David S. Resnick Peter F. Corless | (Reg. No. 34,235) (Reg. No. 33,860) |
|---|--|--|--|--------------------------------------|--|
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DIRECT TELEPHONE CALLS TO:

STATE OR COUNTRY AND ZIP CODE

SEND CORRESPONDENCE TO:

POST OFFICE ADDRESS

POST OFFICE ADDRESS

| FULL NAME | LAST NAME | FIRST NAME | MIDDLE NAME |
|-------------|---|--------------------------|-------------------------------|
| OF INVENTOR | Takahashi | Masayuki | |
| RESIDENCE & | CITY | STATE OR FOREIGN COUNTRY | COUNTRY OF CITIZENSHIP |
| CITIZENSHIP | Tenri-shi | Nara Japan | Japan |
| POST OFFICE | POST OFFICE ADDRESS | спү | STATE OR COUNTRY AND ZIP CODE |
| ADDRESS | 689-401, Tainosho-cho | Tenri-shi | Nara 632-0071 Japan |
| | | | |
| FULL NAME | LAST NAME | FIRST NAME | MIDDLE NAME |
| OF MAERICK | Okada | Hisao | |
| RESIDENCE & | CITY | STATE OR FOREIGN COUNTRY | COUNTRY OF CITIZENSHIP |
| CITIZENSHIP | Ikoma-gun | Nara Japan | Japan |
| POST OFFICE | POST OFFICE ADDRESS | CITY | STATE OR COUNTRY AND ZIP CODE |
| ADORESS | 1-3, 2-chome Oazakashinokidai Ando-cho | Ikoma-gun | Nara 639-1063 Japan |
| | | | |
| | | | |
| FULL NAME | LAST NAME | FIRST NAME | MIDDLE NAME |

| | FULL NAME OF INVENTOR | LAST NAME | FIRST NAME | MIDDLE NAME |
|-----|--------------------------|---------------------|--------------------------|-------------------------------|
| 0 4 | RESIDENCE & CITIZENSHIP | arr | STATE OR FOREIGN COUNTRY | COUNTRY OF CITIZENSHIP |
| | POST OFFICE ADDRESS | POST OFFICE ADDRESS | СПҮ | STATE OR COUNTRY AND ZIP CODE |

| | FULL NAME OF INVENTOR | LAST VAME | FIRST NAME | MIDDLE NAME |
|-------------|----------------------------|---------------------|--------------------------|-------------------------------|
| 2 0 5 | RESIDENCE & CITIZENSHIP | <u>.</u> | STATE OR FOREIGN COUNTRY | COUNTRY OF CITIZENSHIP |
| | POST OFFICE ADDRESS | POST OFFICE ADDRESS | CITY | STATE OR COUNTRY AND ZIP CODE |
| | | | | |
| | FULL NAME OF INVENTOR | LAST NAME | FIRST NAME | MIDDLE NAME |
| 6 | RESIDENCE & CITIZENSHIP | CITY | STATE OR FOREIGN COUNTRY | COUNTRY OF CITIZENSHIP |
| | POST OFFICE ADDRESS | POST OFFICE ADDRESS | спү | STATE OR COUNTRY AND ZIP CODE |
| 113 | | | | |
| | FULL NAME OF INVENTOR | LAST NAME | FIRST NAME | MIDDLE NAME |
| 1 | RESIDENCE & CITIZENSHIP | CITY | STATE OR FOREIGN COUNTRY | COUNTRY OF CITIZENSHIP |
| In the Han | POST OFFICE ADDRESS | POST OFFICE ADDRESS | CITY | STATE OR COUNTRY AND ZIP CODE |
| W. | <u> </u> | <u> </u> | | |
| i. | FULL NAME OF INVENTOR | LAST NAME | FIRST NAME | MIDDLE NAME |
| : 0 8 | RESIDENCE & | СІТҮ | STATE OR FOREIGN COUNTRY | COUNTRY OF CITIZENSHIP |
| | POST OFFICE ADDRESS | POST OFFICE ADDRESS | מוץ | STATE OR COUNTRY AND ZIP CODE |
| | 1 | 1 | | |

I hereby further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| Signature of Inventor 201 | Signature of Inventor 202 | | | |
|---------------------------|---------------------------|--|--|--|
| Masayuki Takahashi | Hisao Okada | | | |
| Date: | Date: | | | |
| March 8, 2001 | March 8, 2001 | | | |
| [| | | | |